

Appln. Serial No. 10/800,055
Reply to Office Action Mailed May 22, 2006

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LISTING OF CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

- 1 1. (Previously Presented) A method of performing a location service with respect to a
2 mobile station, comprising:
3 communicating, to the mobile station, a paging message containing an indication of
4 whether the paging message is related to at least one of an emergency-related location service
5 and a law enforcement-related location service, the indication having a first state to indicate that
6 the paging message is related to at least one of the emergency-related location service and the
7 law enforcement-related location service; and
8 receiving information regarding the location of the mobile station.
- 1 2. (Cancelled)
- 1 3. (Previously Presented) The method of claim 1, wherein communicating the paging
2 message containing the indication comprises sending one of a general page message (GPM)
3 containing the indication and a universal page message (UPM) containing the indication.
- 1 4. (Previously Presented) The method of claim 3, wherein communicating the paging
2 message comprises sending a page containing a first information element to identify service
3 option 35 or service option 36, and a second information element to indicate whether the page is
4 related to the emergency-related location service or law enforcement-related location service.
- 1 5. (Original) The method of claim 4, further comprising a base station setting a state of the
2 second information element based on a state of a field in a paging request from a mobile
3 switching center indicating whether the paging request is related to the emergency-related
4 location service or the law enforcement-related service.
- 1 6. (Cancelled)

Appl. Serial No. 10/800,055
Reply to Office Action Mailed May 22, 2006

1 7. (Previously Presented) The method of claim 8, wherein sending the paging request
2 comprises sending an IS-2001 paging request containing the indication.

1 8. (Previously Presented) A method of performing a location service with respect to a
2 mobile station, comprising:
3 communicating a paging message in a mobile communications network containing an
4 indication of whether the paging message is related to at least one of an emergency-related
5 location service and a law enforcement-related location service;
6 communicating information regarding the location of the mobile station,
7 wherein communicating the paging message comprises sending a paging request
8 containing the indication from a mobile switching center to a base station;
9 the mobile switching center receiving a position request containing a field indicating
10 whether the position request is related to at least one of the emergency-related location service
11 and the law enforcement-related location service; and
12 the mobile switching center setting a state of the indication in the paging request based on
13 the field contained in the position request.

1 9. (Original) The method of claim 8, wherein receiving the position request comprises
2 receiving an InterSystemPositionRequest INVOKE (ISPOSREQ) message containing a CTYP
3 field, the CTYP field indicating whether the position request is related to at least one of the
4 emergency-related location service and the law enforcement-related location service.

1 10. (Cancelled)

1 11. (Original) The method of claim 1, further comprising sending a position determination
2 data message (PDDM) containing an indication of whether the PDDM is related to at least one of
3 an emergency-related location service and a law enforcement-related location service.

1 12. (Original) The method of claim 11, wherein sending the PDDM message comprises
2 sending an TIA/EIA/IS-801 PDDM message.

Appln. Serial No. 10/800,055
Reply to Office Action Mailed May 22, 2006

1 13. (Original) The method of claim 11, further comprising:
2 receiving a position request containing a field indicating whether the position request is
3 related to at least one of the emergency-related location service and the law enforcement-related
4 location service; and
5 setting a state of the indication in the PDDM based on a state of the field in the position
6 request.

1 14. (Original) The method of claim 13, wherein receiving the position request containing the
2 field comprises receiving a GeoPositionRequest INVOKE (GPOSREQ) message containing a
3 CTYP field.

1 15. (Previously Presented) A method comprising:
2 receiving a paging message by a mobile station that is not on a traffic channel and that is
3 configured to accept an emergency-related location service or a law enforcement-related location
4 service but not a value-added service location service, the paging message containing an
5 indication that the paging message is related to at least one of the emergency-related location
6 service and the law enforcement-related location service; and
7 the mobile station responding to the paging message by sending a page response
8 indicating acceptance of a location service-related service option specified in the paging
9 message.

1 16. (Previously Presented) The method of claim 15, further comprising the mobile station
2 determining, by examining the paging message, that the location service-related service option
3 requested in the paging message should be accepted, based on association of the paging message
4 with either an emergency-related location service or a law enforcement-related location service.

Appln. Serial No. 10/800,055
Reply to Office Action Mailed May 22, 2006

1 17. (Previously Presented) The method of claim 15, further comprising:
2 the mobile station communicating position determination data messages (PDDMs) on the
3 traffic channel with a position determination entity (PDE);
4 the mobile station determining whether one or more received PDDMs are related to the
5 emergency-related location service or law enforcement-related location service; and
6 in response to determining that the one or more received PDDMs are related to the
7 emergency-related location service or law enforcement-related location service, the mobile
8 station accepting request elements in the one or more received PDDMs.

1 18. (Previously Presented) An article comprising at least one storage medium containing
2 instructions that when executed cause a mobile station in a wireless communications network to:
3 receive messaging to cause the mobile station to move to a traffic channel in response to
4 a callback by at least one of an emergency services entity and a law enforcement entity;
5 receive a location request on the traffic channel containing an indication that the location
6 request is related to at least one of an emergency-related location service and a law enforcement-
7 related location service; and
8 send location information of the mobile station in response to the location request.

1 19. (Original) The article of claim 18, wherein receiving the location request comprises
2 receiving a position determination data message (PDDM) containing the indication.

1 20. (Original) The article of claim 18, wherein the mobile station has been configured to
2 accept an emergency-related location service or a law enforcement-related location service but
3 not a value-added service location service,
4 the instructions when executed causing the mobile station to determine whether to accept
5 the location request based on the indication contained in the location request,
6 wherein sending the location information is performed in response to determining that the
7 location request is to be accepted.

Appl. Serial No. 10/800,055
Reply to Office Action Mailed May 22, 2006

1 21. (Original) The article of claim 18, wherein the instructions when executed cause the
2 mobile station to further:

3 receive a page from a base station, the page containing an indication that the page is
4 associated with at least one of an emergency-related location service and a law enforcement-
5 related location service; and

6 respond to the page by accepting a service option of the page based on the indication.

1 22. (Previously Presented) A system comprising:

2 an interface to communicate a paging message to a mobile station; and

3 a controller to set an indication in the paging message for indicating that the paging
4 message is related to at least one of an emergency-related service and a law enforcement-related
5 location service.

1 23. (Previously Presented) The system of claim 22, wherein the controller is adapted to send
2 the paging message to the mobile station in response to an idle-mode query initiated by an
3 emergency services entity to the mobile station.

1 24. (Cancelled)

1 25. (Original) The system of claim 22, comprising a base station including the interface and
2 controller, wherein the paging message comprises a page from the base station to the mobile
3 station.

1 26. (Original) The system of claim 22, wherein the controller is adapted to send data over a
2 traffic channel, the data comprising a position determination data message (PDDM) containing
3 an indication of whether the PDDM is related to emergency services.

1 27. (Previously Presented) A mobile station comprising:

2 an interface to receive a page containing an indication that the page is related to at least

3 one of an emergency-related location service and a law enforcement-related location service; and

4 a controller to respond to the page based on the indication.

Appln. Serial No. 10/800,055
Reply to Office Action Mailed May 22, 2006

1 28. (Previously Presented) The mobile station of claim 27, wherein the mobile station is
2 configured to accept a service option specified by a page relating to an emergency-related
3 location service or a law enforcement-related location service, but not to accept another service
4 option specified by a page relating to a value-added location service,
5 the controller to accept the received page in response to the indication indicating that the
6 page is related to the emergency-related location service or law enforcement-related location
7 service.

1 29. (Previously Presented) The mobile station of claim 28, wherein the received page
2 contains a first information element to indicate that the page is location-related, and a second
3 information element to indicate that the page relates to an emergency service or a law
4 enforcement service.

1 30. (Original) The mobile station of claim 27, comprising one of a mobile phone, a portable
2 computer with a wireless modem, a wireless-enabled personal digital assistant (PDAs), and a
3 global positioning system (GPS) device.